

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	241	(precipitat\$4 near2 (bath or system)) same (polyphosphoric or polysulfonic or polycarboxylic or acrylic or methacrylate or vinylpyrrolidone)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/10/12 11:18
L2	779	(precipitat\$4 with (bath or system)) same (polyphosphoric or polysulfonic or polycarboxylic or acrylic or methacrylate or vinylpyrrolidone)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/10/12 11:18
L3	7795	(precipitat\$4 with (bath or system or solution)) same (polyphosphoric or polysulfonic or polycarboxylic or acrylic or methacrylate or vinylpyrrolidone)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/10/12 11:18
L4	26	3 and (asymmetric\$4 with (membrane or fiber))	US-PGPUB; USPAT; USOCR	OR	ON	2011/10/12 11:19
L5	18	"5879554"	US-PGPUB; USPAT	OR	OFF	2011/10/12 11:20
L6	1	(10/666893).APP.	USPAT; USOCR	OR	OFF	2011/10/12 12:02
L7	37	("3709841" "3769332" "3855122" "3869429" "4026977" "4054707" "4207182" "4268650" "4273903" "4419486" "4634530" "4714725" "4818387" "4866099" "4920193" "4922485" "4939180" "4941893" "4954143" "4971695" "4992485" "5008352" "5013765" "5028337" "5030672" "5071448" "5112892" "5118766" "5246582" "5401410" "5693740" "5879554" "5997741" "6258272").PN. OR ("7160927").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/10/12 12:02
L9	3	7 and (polyphosphoric or polysulfonic or polycarboxylic or acrylic or methacrylate or vinylpyrrolidone)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/10/12 12:03
L10	118	(precipita\$5 same polyelectrolyte same (polyphosphoric or polysulfonic or polycarboxylic or methacrylic or acrylic or vinylpyrrolidone or methacrylate))	US-PGPUB; USPAT; USOCR	OR	OFF	2011/10/12 12:07
L11	15	10 and (asymmetric\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/10/12 12:07
L12	5	10 and (asymmetric\$4 with (membrane or fiber))	US-PGPUB; USPAT; USOCR	OR	ON	2011/10/12 12:07
L13	62	"4604208"	US-PGPUB; USPAT; USOCR	OR	ON	2011/10/12 12:10

EAST Search History (Prior Art)

L14	66	("3524546" "3672975" "3752749" "3808305" "4012324" "4033817" "4203848" "4214020" "4250029" "4431545" "4473474" "4473475").PN. OR ("4604208").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/10/12 12:12
L15	33	13 and (polyphosphoric or polysulfonic or polycarboxylic or acrylic or methacrylate or vinylpyrrolidone)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/10/12 12:14
L16	9	15 and (asymmetric\$4 with (fiber or membrane))	US-PGPUB; USPAT; USOCR	OR	ON	2011/10/12 12:14
L17	35	14 and (polyphosphoric or polysulfonic or polycarboxylic or acrylic or methacrylate or vinylpyrrolidone)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/10/12 12:17
L18	6	17 and (asymmetric\$4 with (fiber or membrane))	US-PGPUB; USPAT; USOCR	OR	ON	2011/10/12 12:17
L35	17407	((precipitant or precipitat\$4) with (system or bath or solvent)) and (polyphosphoric or polysulfonic or methyl near2 methacrylate or vinylpyrrolidone or methacrylic near2 acid)	US-PGPUB; USPAT	OR	OFF	2011/10/12 12:31
L36	189	35 and (asymmetric\$4 with (membrane or fiber))	US-PGPUB; USPAT	OR	ON	2011/10/12 12:32
L37	3	36 and (internal with fill\$4)	US-PGPUB; USPAT	OR	ON	2011/10/12 12:32
L38	13	"5919370"	US-PGPUB; USPAT	OR	OFF	2011/10/12 12:59
L39	80	(asymmetric\$4 with (membrane or fiber)) and (polysulfon\$3 near2 acid or polyphospho\$4 near2 acid)	US-PGPUB; USPAT	OR	ON	2011/10/12 13:05
L40	21	39 and ((coat\$4 or film\$4) same (polysulfon\$4 near2 acid or polyphospho\$4 near2 acid))	US-PGPUB; USPAT	OR	ON	2011/10/12 13:06
L41	85	((core or lumen or center or bore or internal) near2 (solution or filler)) same (acrylic or methacrylic) same (methacrylate or vinylpyrrolidone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/12 13:59
L42	36	41 and (asymmetric\$4 with (membrane or fiber))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/12 13:59

EAST Search History (Prior Art)

L43	1152	((core or lumen or center or bore or internal) near2 (solution or fluid or filler)) same (acrylic or methacrylic or methacrylate or vinylpyrrolidone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/12 14:00
L44	54	43 and (asymmetric\$4 with (membrane or fiber))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/12 14:00
L45	6	"0568045"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/10/12 14:09
L46	4	45 and (acrylic or vinylpyrrolidone or methacrylate or methacrylic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/10/12 14:10
L47	19	(US-20070163950-\$ or US-20080000828-\$ or US-20070163949-\$ or US-20040045897-\$ or US-20030045461-\$ or US-20070056900-\$ or US-20040054125-\$).did. or (US-4814082-\$ or US-4976859-\$ or US-5919370-\$ or US-5840190-\$ or US-4906375-\$ or US-4604208-\$ or US-5290448-\$ or US-7811507-\$ or US-5879554-\$ or US-4765897-\$ or US-4812270-\$ or US-6248469-\$).did.	US-PGPUB; USPAT	OR	OFF	2011/10/12 14:25
L48	8	47 and (acrylic near2 acid)	US-PGPUB; USPAT	OR	OFF	2011/10/12 14:25
L49	644	(asymmetric\$4 with (membrane or fiber)) and (acrylic near2 acid)	US-PGPUB; USPAT	OR	OFF	2011/10/12 14:31
L50	39	49 and (acrylic near2 acid same (precipit\$5 or extrud\$4 or spin\$4 or coagulat\$4))	US-PGPUB; USPAT	OR	OFF	2011/10/12 14:31
L51	275	((core or lumen or center or bore or internal) near2 (solution or fluid or filler)) same (acrylic near2 acid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/12 14:36

EAST Search History (Prior Art)

L52	38	51 and (asymmetric\$4 with (membrane or fiber))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/12 14:36
L53	85	"4364972"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/12 14:50
S1	1	"20070163950"	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:24
S2	1	"20080000828"	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:25
S3	1	"20070163949"	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:25
S5	28	"4814082"	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:44
S6	153	"4976859"	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:44
S7	9	"5919370"	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:45
S8	230	integral\$3 with asymmetric with membrane	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:46
S9	12	S8 and (electrolyte or polyelectrolyte)	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:46
S10	6	S9 and (phosphoric or sulfonic or carboxylic)	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:46
S11	213	membrane same (spinning with solution with solvent)	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:50
S12	3	S11 and (precipit\$4 with (eletrolyte or polyelectrolyte or phosphoric or carboxylic or sulfonic))	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:51
S13	627	membrane and (spinning with solution with solvent)	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:52
S14	4	S13 and (precipit\$4 with (eletrolyte or polyelectrolyte or phosphoric or carboxylic or sulfonic))	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:52
S15	2	"20040045897"	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:53
S16	60	asymmetric with membrane and (polyphosphoric or polysulfonic or polycarboxylic)	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:59

EAST Search History (Prior Art)

S17	20	S16 and (spin\$4 with solution)	US-PGPUB; USPAT	OR	OFF	2010/02/20 13:00
S18	9	S16 and (spin\$4 with solution with solvent)	US-PGPUB; USPAT	OR	OFF	2010/02/20 13:00
S19	7332	membrane and (polyphosphoric or polysulfonic or polycarboxylic)	US-PGPUB; USPAT	OR	OFF	2010/02/22 09:59
S20	340	S19 and (spin\$4 with solution)	US-PGPUB; USPAT	OR	OFF	2010/02/22 10:00
S21	79	S19 and (spin\$4 with solution with solvent)	US-PGPUB; USPAT	OR	OFF	2010/02/22 10:00
S22	2225	S19 and ((precipita\$4 or coagulat\$5) with (solution or fluid or system))	US-PGPUB; USPAT	OR	OFF	2010/02/22 10:01
S23	38	S22 and (spin\$4 with solution with solvent)	US-PGPUB; USPAT	OR	OFF	2010/02/22 10:01
S24	3	S23 and (asymmetric with membrane)	US-PGPUB; USPAT	OR	OFF	2010/02/22 10:02
S25	2376	S19 and ((precipita\$4 or coagulat\$5) with (solution or fluid or system or liquid))	US-PGPUB; USPAT	OR	OFF	2010/02/22 10:02
S26	242	S19 and (((precipita\$4 or coagulat\$5) with (solution or fluid or system)) same (phosphoric or sulfonic or carboxylic))	US-PGPUB; USPAT	OR	OFF	2010/02/22 10:03
S27	4	S26 and (spin\$4 with solution with solvent)	US-PGPUB; USPAT	OR	OFF	2010/02/22 10:03
S28	16	S26 and (spin\$4 with solution)	US-PGPUB; USPAT	OR	OFF	2010/02/22 10:19
S29	0	S28 and (hollow with fiber with die)	US-PGPUB; USPAT	OR	OFF	2010/02/22 10:19
S30	2	S28 and (((precipita\$4 or coagulat\$5) with (solution or fluid or system or liquid)) same (spin\$4 with solution))	US-PGPUB; USPAT	OR	OFF	2010/02/22 10:20
S31	4	"4898698"	US-PGPUB; USPAT	OR	OFF	2010/02/22 10:54
S32	23	wechs near2 friedbert	US-PGPUB; USPAT	OR	OFF	2010/07/09 14:49
S33	7	S32 and (asymmetric with membrane)	US-PGPUB; USPAT	OR	OFF	2010/07/09 14:50
S34	1	"20070163950"	US-PGPUB; USPAT	OR	OFF	2011/03/16 10:56
S35	6	(asymmetric with membrane) and (precipit\$5 with (acrylic or sulfonic or phosphoric))	US-PGPUB; USPAT	OR	OFF	2011/03/16 11:17
S36	1	(asymmetric with membrane) and (precipitant with system)	US-PGPUB; USPAT	OR	OFF	2011/03/16 11:19

EAST Search History (Prior Art)

S37	55	("3441142" "3522346" "3616935" "3705084" "4102746" "4702840" "4855234" "4906375" "5041225" "5283186" "5420047" "5476665").PN. OR ("5840190").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/16 11:23
S38	10	(US-20070163950-\$ or US-20080000828-\$ or US-20070163949-\$ or US-20040045897-\$ or US-20030045461-\$).did. or (US-4814082-\$ or US-4976859-\$ or US-5919370-\$ or US-5840190-\$ or US-4906375-\$).did.	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:05
S39	5	S38 and (spin\$4 and acrylic)	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:06
S40	8	(asymmetric with membrane) and interior near2 filler	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:09
S41	5	acrylidone and (asymmetric near2 membrane)	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:11
S42	5	acrylidone and (asymmetric with membrane)	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:11
S43	37	(spin with solution) and (polyelectrolyte or acrylic or polysulfonic or polyphosphoric or polycarboxylic) and (asymmetric with membrane)	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:13
S44	13	(spin with solution) and (asymmetric with membrane) and (bore with (fluid or liquid or polymer))	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:28
S45	3	S44 and (bore same acrylic\$5)	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:28
S46	13	"5290448"	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:30
S47	60	"5762798"	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:32
S48	68	(asymmetric with membrane) and (precipitating with solution) and (spin\$5)	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:45
S49	1	S48 and (precipitat\$5 same (polyphosphoric or phosphoric or polysulfonic or sulfonic or polycarboxylic or carboxylic or acrylic))	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:46
S50	18	(asymmetric with membrane) and (precipitating near2 solution) and (spin\$5)	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:47
S51	25	(asymmetric with membrane) and (precipitating near2 (solution or liquid)) and (spin\$5)	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:50
S52	8	S51 and (polyphosphoric or phosphoric or polysulfonic or sulfonic or polycarboxylic or carboxylic or acrylic)	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:50
S53	238	(asymmetric with membrane) and (precipita\$3 with (solution or liquid)) and (spin\$5)	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:58

EAST Search History (Prior Art)

S55	17	S53 and (precipita\$5 same (polyphosphoric or phosphoric or polysulfonic or sulfonic or polycarboxylic or carboxylic or acrylic))	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:58
S56	146	S53 and (polyphosphoric or phosphoric or polysulfonic or sulfonic or polycarboxylic or carboxylic or acrylic)	US-PGPUB; USPAT	OR	OFF	2011/03/16 14:01
S57	7	S53 and (extru\$5 same (polyphosphoric or phosphoric or polysulfonic or sulfonic or polycarboxylic or carboxylic or acrylic))	US-PGPUB; USPAT	OR	OFF	2011/03/16 14:01
S58	409	(asymmetric with membrane) and ((coagulat\$4 or precipita\$3) with (solution or liquid or medium)) and (spin\$5)	US-PGPUB; USPAT	OR	OFF	2011/03/16 14:03
S59	18	S58 and (((coagulat\$4 or precipita\$3) with (solution or liquid or medium)) same (polyphosphoric or phosphoric or polysulfonic or sulfonic or polycarboxylic or carboxylic or acrylic))	US-PGPUB; USPAT	OR	OFF	2011/03/16 14:04
S61	588	(asymmetric with membrane) and ((coagulat\$4 or precipita\$3 or core or bore) with (solution or liquid or medium)) and (spin\$5)	US-PGPUB; USPAT	OR	OFF	2011/03/16 14:15
S62	58	S61 and (((coagulat\$4 or precipita\$3 or core or bore) with (solution or liquid or medium)) same (polyphosphoric or phosphoric or polysulfonic or sulfonic or polycarboxylic or carboxylic or acrylic))	US-PGPUB; USPAT	OR	OFF	2011/03/16 14:16
S63	3	"2003061812"	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2011/03/16 14:26
S64	2	"7429343"	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2011/03/16 14:35
S65	588	(asymmetric with membrane) and ((coagulat\$4 or precipita\$3 or core or bore) with (solution or liquid or medium)) and (spin\$5)	US-PGPUB; USPAT	OR	OFF	2011/03/17 09:31
S66	58	S65 and (((coagulat\$4 or precipita\$3 or core or bore) with (solution or liquid or medium)) same (polyphosphoric or phosphoric or polysulfonic or sulfonic or polycarboxylic or carboxylic or acrylic))	US-PGPUB; USPAT	OR	OFF	2011/03/17 09:31
S67	42	S66 and (cellulos\$2 and polysulfon\$4)	US-PGPUB; USPAT	OR	OFF	2011/03/17 09:31
S68	36	S67 and ("die" and extrud\$4)	US-PGPUB; USPAT	OR	OFF	2011/03/17 09:31
S69	0	S68 and (integral\$4 with asymmetric with membrane)	US-PGPUB; USPAT	OR	OFF	2011/03/17 09:31

EAST Search History (Prior Art)

S70	409	(asymmetric with membrane) and ((coagulat\$4 or precipita\$3) with (solution or liquid or medium)) and (spin\$5)	US-PGPUB; USPAT	OR	OFF	2011/03/17 09:51
S71	52	S70 and (((coagulat\$4 or precipita\$3 or core or bore) with (solution or liquid or medium)) same (polyphosphoric or phosphoric or polysulfonic or sulfonic or polycarboxylic or carboxylic or acrylic))	US-PGPUB; USPAT	OR	OFF	2011/03/17 09:51
S72	239	acrylidone	US-PGPUB; USPAT	OR	OFF	2011/09/21 11:37
S73	7	S72 and (asymmetric\$4 near2 membrane)	US-PGPUB; USPAT	OR	ON	2011/09/21 11:39
S74	5980	(copolymer with acrylic with vinylpyrrolidone)	US-PGPUB; USPAT	OR	ON	2011/09/21 11:45
S75	50	S74 and (asymmetric\$4 with membrane)	US-PGPUB; USPAT	OR	ON	2011/09/21 11:45
S76	49	S75 and (polysulfone or polyphenylene near2 sulfone or polyethersulfone or polyimide or polyetherimide or polycarbonate or polyetherketone)	US-PGPUB; USPAT	OR	ON	2011/09/21 11:48
S77	44	S76 and (spin\$4 or spun)	US-PGPUB; USPAT	OR	ON	2011/09/21 11:53
S78	6	S77 and (spin\$4 with solution)	US-PGPUB; USPAT	OR	ON	2011/09/21 11:53
S79	19	"6565782"	US-PGPUB; USPAT	OR	OFF	2011/09/21 14:53
S80	61	"4604208"	US-PGPUB; USPAT	OR	OFF	2011/09/21 15:06
S81	5980	(copolymer with acrylic with vinylpyrrolidone)	US-PGPUB; USPAT	OR	ON	2011/09/21 15:07
S82	50	S81 and (asymmetric\$4 with membrane)	US-PGPUB; USPAT	OR	ON	2011/09/21 15:07
S83	49	S82 and (polysulfone or polyphenylene near2 sulfone or polyethersulfone or polyimide or polyetherimide or polycarbonate or polyetherketone)	US-PGPUB; USPAT	OR	ON	2011/09/21 15:07
S84	44	S83 and (spin\$4 or spun)	US-PGPUB; USPAT	OR	ON	2011/09/21 15:07
S85	40	wechs near2 friedbert	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/09/21 15:17

EAST Search History (Prior Art)

S86	5	S85 and S81	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/09/21 15:22
S87	8001	(copolymer with acrylic with vinylpyrrolidone) or polyphosphoric or polysulfonic	US-PGPUB; USPAT	OR	ON	2011/09/21 15:23
S88	68	S87 and (asymmetric\$4 with membrane)	US-PGPUB; USPAT	OR	ON	2011/09/21 15:23
S89	60	S88 and (polysulfone or polyphenylene near2 sulfone or polyethersulfone or polyimide or polyetherimide or polycarbonate or polyetherketone)	US-PGPUB; USPAT	OR	ON	2011/09/21 15:23
S90	8	acrylidone and (asymmetric\$4)	US-PGPUB; USPAT	OR	OFF	2011/09/21 15:28
S91	2257	(polyelectrolyt\$3 or anionic) with (polyphosphoric or polysulfonic or polycarboxylic)	US-PGPUB; USPAT	OR	OFF	2011/09/21 15:31
S92	10	S91 and (asymmetric\$4 with membrane)	US-PGPUB; USPAT	OR	OFF	2011/09/21 15:31
S93	65	asymmetric\$3 near2 membrane and (polyphosphoric or polysulfonic or polycarboxylic)	US-PGPUB; USPAT	OR	OFF	2011/09/21 15:32
S94	2	S93 and ((anionic or negative\$3) with (modif\$6))	US-PGPUB; USPAT	OR	OFF	2011/09/21 15:34
S95	0	S93 and polysuflone	US-PGPUB; USPAT	OR	OFF	2011/09/21 15:36
S96	31	S93 and (spin\$4)	US-PGPUB; USPAT	OR	OFF	2011/09/21 15:36
S97	34	"4814082"	US-PGPUB; USPAT	OR	OFF	2011/09/21 15:40
S98	7	S97 and spin\$4	US-PGPUB; USPAT	OR	OFF	2011/09/21 15:51
S99	6010	(copolymer with acrylic with vinylpyrrolidone)	US-PGPUB; USPAT	OR	ON	2011/10/12 08:56
S100	40	wechs near2 friedbert	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/10/12 08:56

EAST Search History (Prior Art)

S10 1	5	S100 and S99	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/10/12 08:56
S10 2	5	S101 and asymmetric\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/10/12 08:56
S10 3	15	"5290448"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/10/12 09:03
S10 4	26	("3600491" "3674628" "3871950" "3930105" "4006067" "4056467" "4181694" "4234431" "4252652" "4340481" "4432923" "4545910" "4564488" "5039420").PN. OR ("5290448").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/10/12 09:14
S10 5	8	S104 and (phosphoric or carboxylic or sulfonic)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/10/12 09:14
S10 6	910	(precipitat\$4 near2 (bath or system)) same (phosphoric or sulfonic or carboxylic or acrylic or methacrylate or vinylpyrrolidone)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/10/12 09:24
S10 7	13	S106 and (asymmetric\$4 with (membrane or fiber))	US-PGPUB; USPAT; USOCR	OR	ON	2011/10/12 09:25

EAST Search History (I nterference)

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